

PSC 118 UNV 184		TECHNICAL ACTION REQUEST <i>1-16</i>		36 2. Date 27 August 1954		25X1
4. Contractor		5. Address				
6. Sub-Contractor		7. Address				25X1
8. Equipment Transmitter RT-6A		9. Quantity Affected		Entire Order		
10. Purpose						
<input checked="" type="checkbox"/> Deviation Approval <input type="checkbox"/> Interpretation <input type="checkbox"/> Information <input type="checkbox"/> Recommendation						
11. Approval will affect,						
No Price (Increase-Decrease) No Delivery No Interchangeability						

ACTION I

- Request: Approval to perform the transmitter keying waveform test (Paragraph III A 16 of "RS-6A Final Test Procedures") at 4.5 mc and 14.0 mc only.
- Reason:
 - It is understanding waveshape at frequencies of 4.5 and 14 mc are used as basis for acceptance in the retesting done by the customer.
 - Resident Navy inspection requests written confirmation regarding test frequencies at which test is to be made.
 - RT-6A equipments have inherently more drive and output at certain frequencies than previous RT-6A resulting in increased current to plates of the Scope Tube.
 - The inherent distortion of the amplifier of the Oscilloscope at higher frequency ranges prevents using the amplifier section. Therefore, the wave form of the RT-6A is viewed by direct connection to the plates of the Oscilloscope tube.
 - With the direct connection method the resulting wave form at frequencies other than 4.5 and 14 mc on the scope tube face is of such a magnitude that it exceeds the capabilities of the tube area. Detuning to bring pattern down on scope tube results in distorted wave shape which is not actually indicative of a faulty keying waveform of the Transmitter itself.
 - The Oscilloscope provided and used in production testing are Dumont type 304 and General Electric type ST2A.

ORIGINAL CL BY 235979☐ DECL ☒ REVIEW ON 2010EXT BYND G YRS BY sameREASON 3d(3)

Project Engineer

ACTION II

Navy Inspector Endorsement:

REQ	23	REV DATE	215/180	BY	37169
COND ENVY	35	ON	56	TYPE	30
CHG CLASH	41	YR	1	REV DATE	C
JURY	22	FILE	2010	DATE	MM 13-2

ACTION III

Approved by:

Not approved

For the Government

CONFIDENTIAL